



## Nebraska Clean Cities Meeting

November 8, 2010

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- About the Clean Cities Program
- Current Projects
  - ARRA Projects (~\$300M)
  - FY09 Projects (~\$13.6M)
- Becoming a Coalition
  - Reasons to Become a Coalition
  - The Designation Process
  - Keys to Success
- Upcoming Funding Opportunity

## Clean Cities' Mission

To advance the energy, economic, and environmental security of the U.S. by supporting local decisions to adopt practices that contribute to the reduction of petroleum consumption in the transportation sector.

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- Sponsored by the DOE's Office of Energy Efficiency and Renewable Energy's Vehicle Technologies program
- Provides a framework for businesses and governments to work together as a coalition to enhance markets
- Coordinate activities, identify mutual interests, develop regional economic opportunities, and improve air quality

- 87 active coalitions in 45 states
- Coalitions serve 78% of the population
- 632,000 AFVs using alternative fuels
- 5,600 AFV stations
- 6,500+ stakeholders







## Northwest Region Stats

- Regional Manager at DOE Golden Field Office  
Kay Kelly  
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(720) 356-1604
- 15 States
- 16 Coalitions
- 2 Coalitions Seeking Designation (NE & SD)

## A Local Strategy to Advance a National Goal

- Local involvement works effectively in communities
- National leadership adds legitimacy to local activities

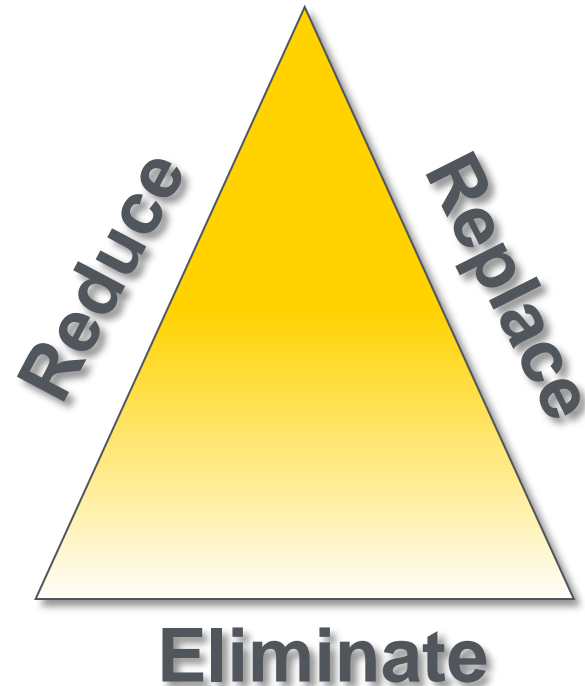
## Coordinators

- Local champions and points of contact
- Strong local relationships and understanding of players and issues

## Coalitions

- Members/Stakeholders are committed to the mission
- Build bridges in the local community to address barriers and complete projects

- **Replace** petroleum with alternative fuels and low-level blends.
- **Reduce** by promoting energy efficiency in vehicles through advanced technologies and more fuel efficient vehicles.
- **Eliminate** by promoting idle reduction, greater use of mass transit, trip elimination, and other congestion mitigation approaches.



## Alternative Fuels & Vehicles

- Biodiesel (B100)
- Electricity
- Ethanol (E85)
- Hydrogen
- Natural gas
- Propane

## Fuel Blends

- Biodiesel/diesel blends (B2, B5, B20)
- Ethanol/gasoline blends (E10)
- Hydrogen/natural gas blends (HCNG)

## Fuel Economy

- Fuel efficiency
- Behavioral changes
- Vehicle maintenance initiatives
- Vehicle miles traveled (VMT)

## Hybrids

- Light- and Heavy-duty HEVs
- PHEVs

## Idle Reduction

- Heavy-duty trucks
- School buses
- Truck stop electrification



# Clean Cities Web Resources



Clean Cities strives to advance the nation's economic, environmental, and energy security by supporting local decisions to adopt practices that contribute to the reduction of petroleum consumption. Clean Cities has a network of approximately 30 volunteer coalitions, which develop public/private partnerships to promote alternative fuels and advanced vehicles, fuel blends, fuel economy, hybrid vehicles, and idle reduction.

Clean Cities is part of the Office of Energy Efficiency and Renewable Energy's [Vehicle Technologies Program](#).



Select Coalition-Related Information

- [Starting Coalitions](#)
- [Coalition Locations](#)
- [Program Contacts](#)
- [Coordinator Contacts](#)

What is Clean Cities? Fact Sheet (PDF 2 MB) »  
[Download Adobe Reader](#) »

[Printable Version](#)



The Alternative Fuels and Advanced Vehicles Data Center (AFDC, formerly known as the Alternative Fuels Data Center) provides a wide range of information and resources to enable the use of alternative fuels (as defined by the [Energy Policy Act of 1992](#)), in addition to other petroleum reduction options such as advanced vehicles, fuel blends, idle reduction, and fuel economy.

This site is sponsored by the U.S. Department of Energy's [Clean Cities](#) initiative.



**Data, Analysis, and Trends**  
Our [Data, Analysis, and Trends](#) section provides industry trends and facts based on data analysis.

[Printable Version](#)

[www.fueleconomy.gov](http://www.fueleconomy.gov)



United States Department of Energy  
Energy Efficiency and Renewable Energy

United States  
Environmental Protection Agency

**FIND AND COMPARE CARS...**



Gas mileage (MPG), greenhouse gas emissions, air pollution ratings, and safety information for new and used cars and trucks

- [Compare Side-by-Side](#)
- [Advanced Search](#)

**YOUR MPG ...**



**Why is fuel economy important?**  
Climate Change  
Strengthen National Security

**Diesel Vehicles**  
~~\$2~~ Tax Incentives  
Biodiesel

**Gas Mileage Tips**  
Driving More Efficiently  
Drive Smarter Challenge

**Hybrid Vehicles**  
How Hybrids Work  
Tax Incentives

**Videos**  
Extreme MPG  
Motorweek Videos

**Alternative Fuel Vehicles**  
Flex-Fuel Vehicles

**CARS**  
car allowance rebate system

Trade in your old, inefficient vehicle for a new, more efficient one.

Also known as the  
"Cash for Clunkers" Program

**In the News...**

Electric Cars' MPG Conundrum - [BusinessWeek](#)

More Are Hired to Speed Up the Clunker Reimbursements - [The New York Times](#)

Scion dealers say tiny iQ is coming in 2010 - [AutoWeek](#)

[Disclaimer](#)

[More News](#)

*Clean Cities*  
*AFDC*  
*FuelEconomy.gov*

## [www.eere.energy.gov/cleancities](http://www.eere.energy.gov/cleancities)

- Financial opportunities
- Contact information
  - ✓ Coalitions
  - ✓ Program staff
- Information resources
  - ✓ Newsletters
  - ✓ Technology bulletins
  - ✓ Technical assistance



## [www.FuelEconomy.gov](http://www.FuelEconomy.gov)

### Fuel economy information

- ✓ Side-by-side comparisons
- ✓ Fuel economy ratings
- ✓ Carbon footprint
- ✓ Average annual fuel cost





# Alternative Fuels & Advanced Vehicles Data Center (AFDC) Web Site



[www.afdc.energy.gov](http://www.afdc.energy.gov)

- Alternative fueling station locator
- Incentives and laws
- Clean fleet guide
- Data, analysis, and trends
- Alternative fuel price report
- Technology bulletins & newsletters
- State-specific Web pages
- Vehicles searches
- Cost calculators
- Idle reduction equipment listing and search options
- Searchable document database

...and MORE!



# Clean Cities Budget History

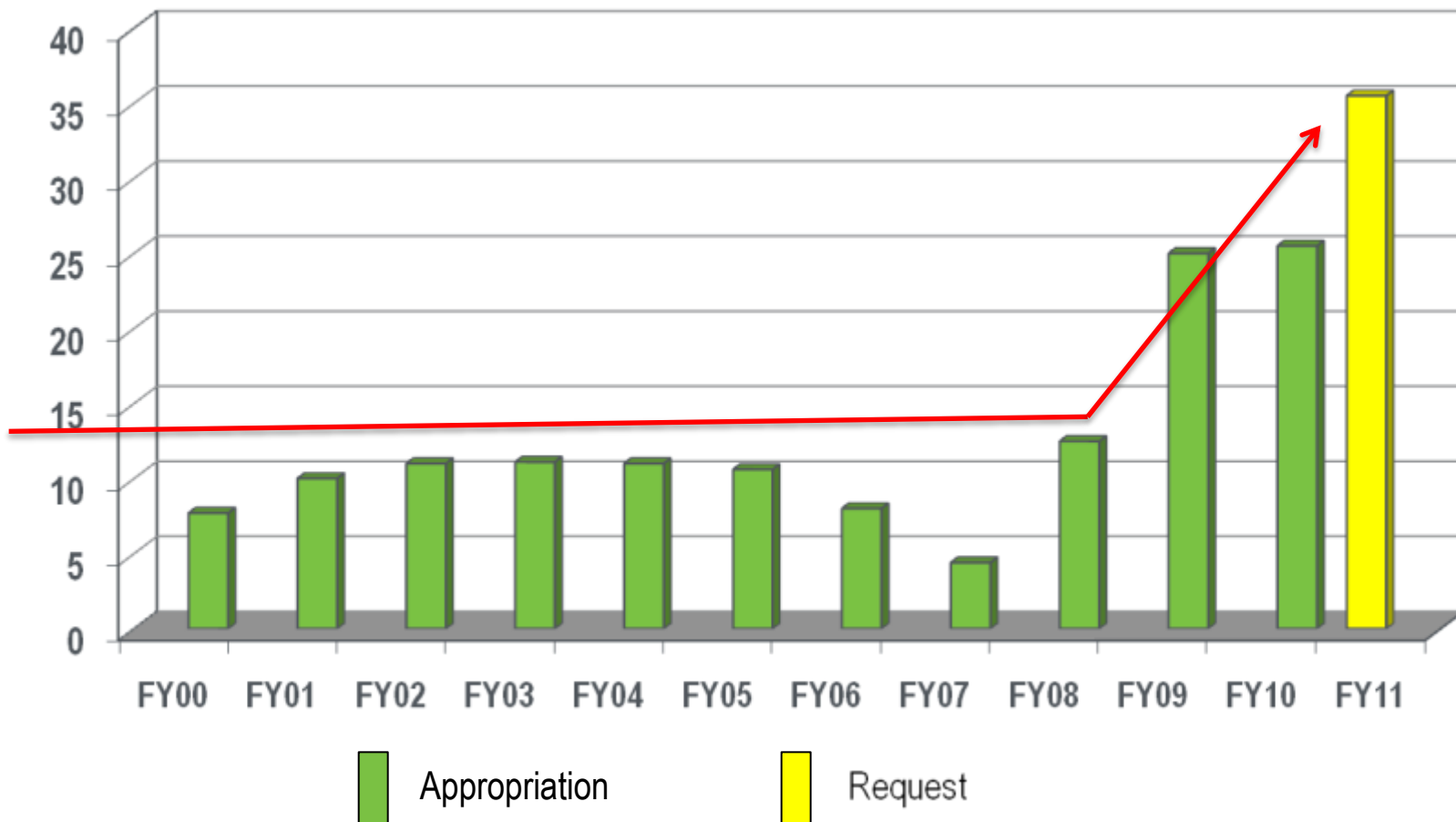
(not including \$300M funding from ARRA)



## Clean Cities Budget

\* ARRA \$300M is > **200%** of the Clean Cities budget spent in the **last 10 years**

\$ Millions

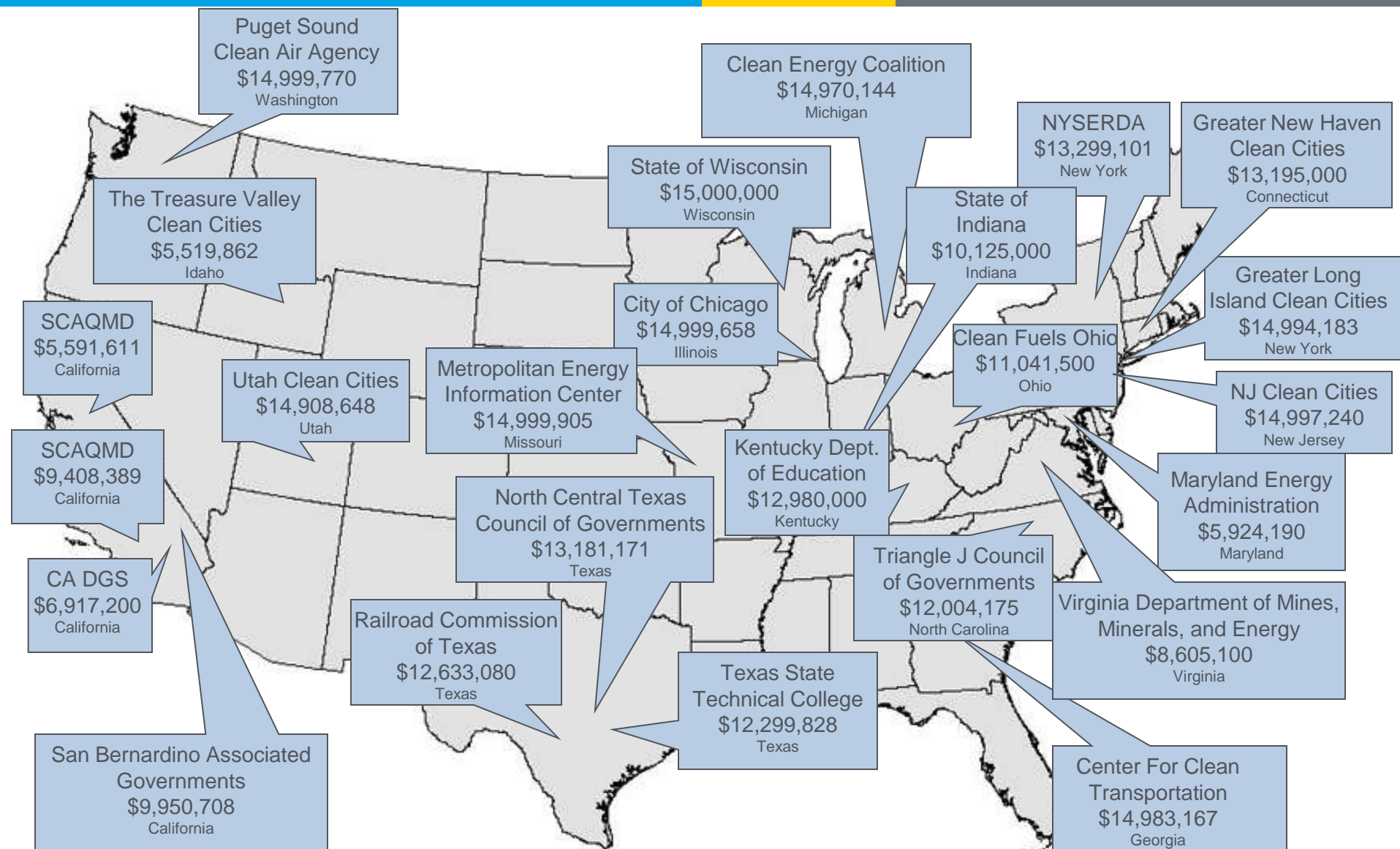




# Current Clean Cities Projects

# Clean Cities Recovery Act Awards

25 Projects ~\$300M DOE ~\$500M Cost Share

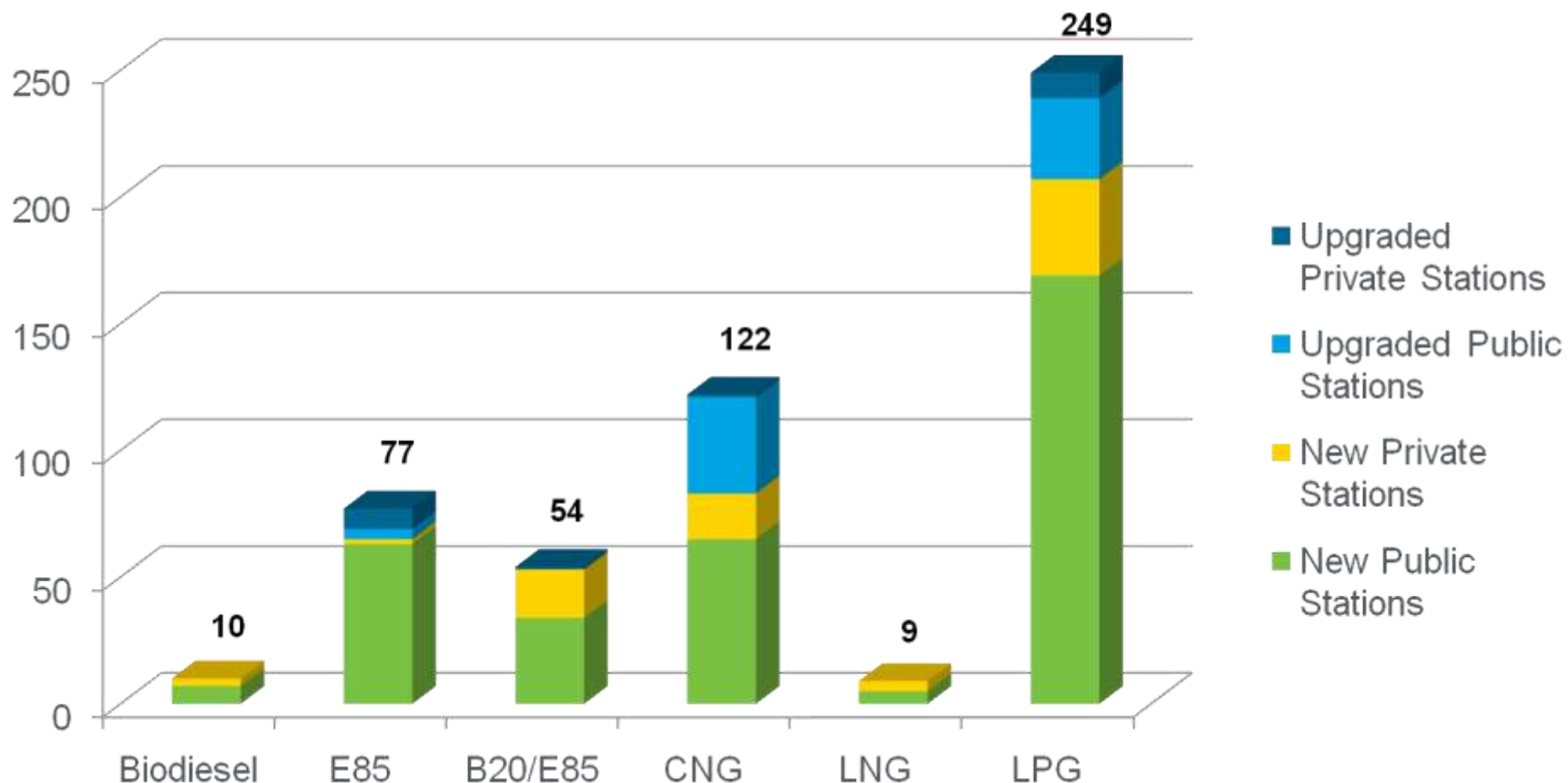


# Clean Cities Recovery Act Projects

Planned New & Existing Refueling Infrastructure by Fuel and Accessibility

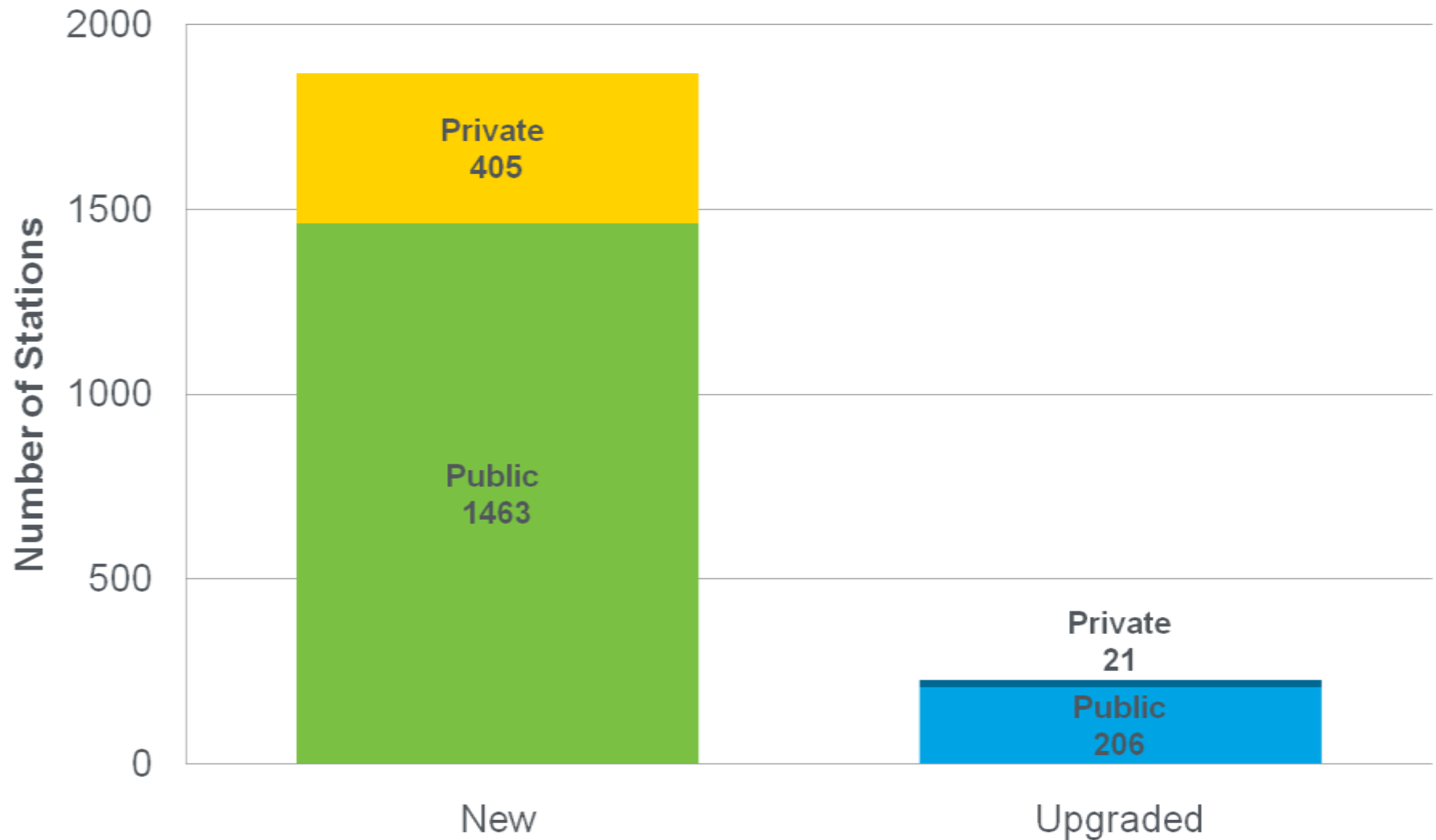


More than 2,000 alternative fuel refueling or charging stations will be installed or upgraded. Of these, 1,564 will be electric charging stations.



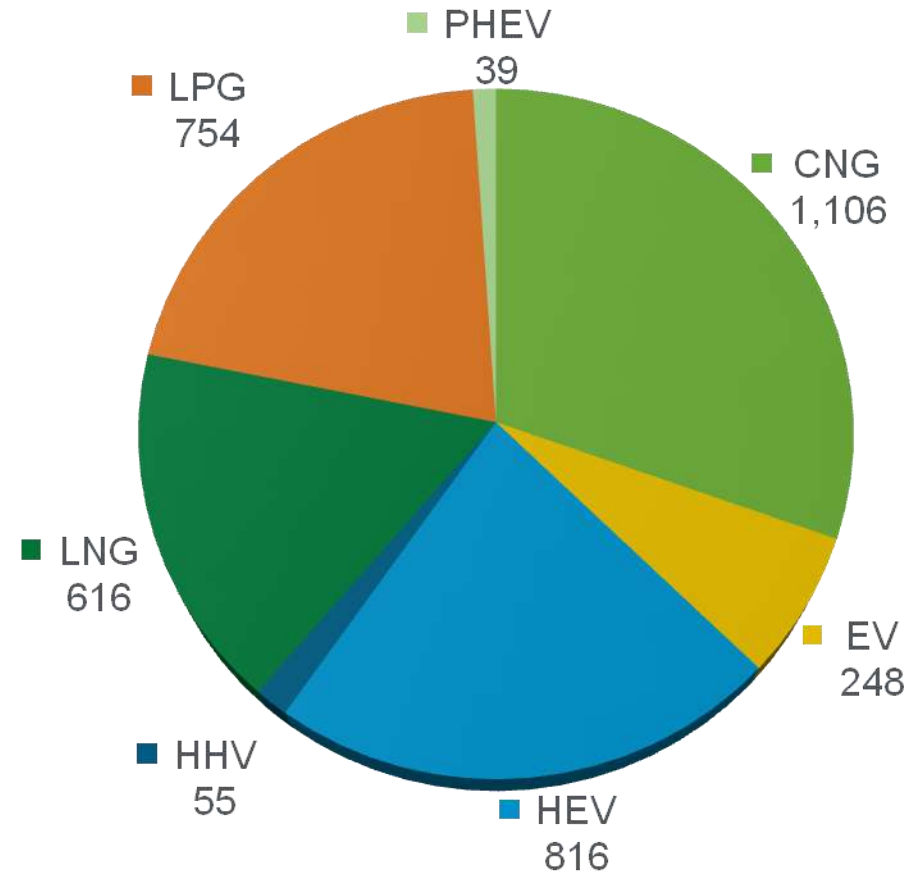
# Clean Cities Recovery Act Projects

Planned New & Existing Refueling Infrastructure by Accessibility



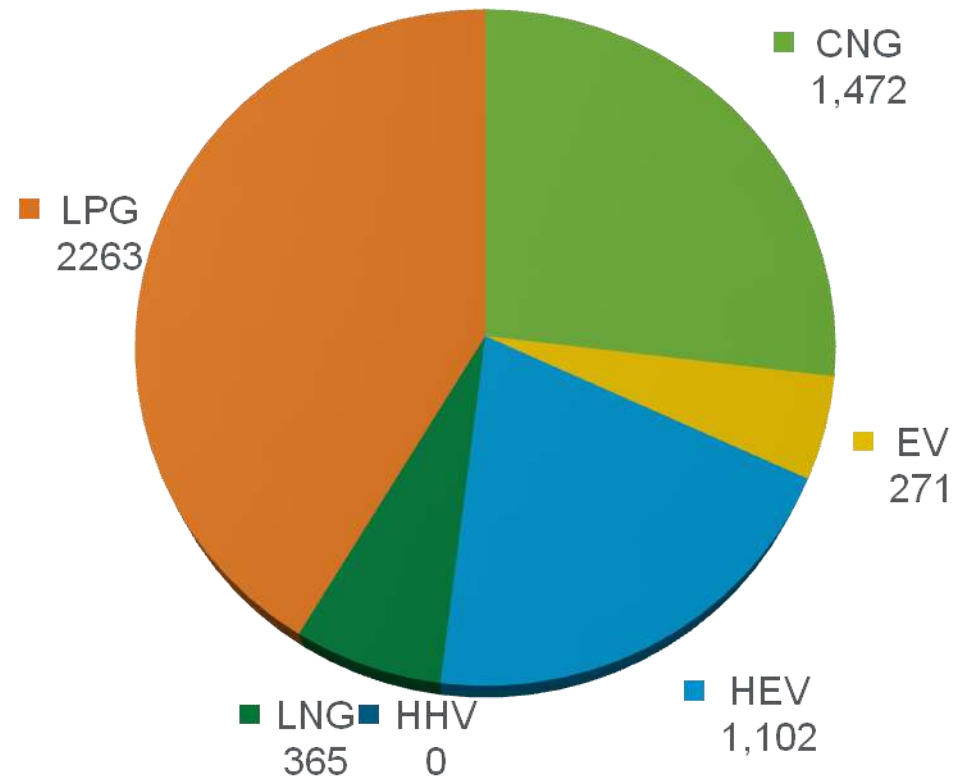
### MDV/HDV Distribution

3,634 vehicles



### LDV Distribution

5,473 vehicles



\*9,107 total planned vehicle orders



# Sample Project Partners



- **National Fleets**

- United Parcel Service
- Sysco
- Coca Cola
- Verizon
- Waste Management
- Frito Lay
- Ryder
- Fed Ex
- Allied Waste
- Canteen Vending



- **Other National Companies**

- Staples
- ConnocoPhillips
- Marriott
- Hilton
- The Parking Spot



- **Industry Partners**

- Clean Energy
- Blossman Gas
- Clean FUEL USA
- Gas Technology Institute
- National Alt Fuels Training Consortium
- Propane Education & Research Council
- Daimler Trucks North America
- Bluebird
- Freightliner Trucks
- CALSTART



- **Utilities**

- Questar Gas
- Peoples Gas
- National Grid
- Citizens Energy
- DTE Energy
- Commonwealth Edison



- Regional/Local Fleets/Companies

- Atlantic City Jitney Association
- Meijer
- Rumpke
- Enviro Express
- Manhattan Beer Distributors
- Westchester Ambulette
- Central Jersey Waste



- Colleges/Universities

- University of Missouri KC
- University of Michigan
- University of Wisconsin-Madison
- Washington State University
- SUNY-Albany
- James Madison University
- University of Utah



- Local Taxi Companies

- Red Top Cab (DC)
- Columbus Green Cabs (OH)
- Cleveland Yellow Cab (OH)
- Yellow Cab (Hartford CT)
- Happy Cab (Omaha NE)



- State/Local Governments/Agencies

- California Energy Commission
- Dallas-Ft. Worth Int'l Airport
- City of Milwaukee
- Seattle-Tacoma Int'l Airport
- Indiana DOT
- Ann Arbor Transportation Authority
- Wisconsin DOT
- LA Unified School District
- Nassau & Suffolk Counties (NY)
- Hartsfield-Jackson Atlanta Int'l Airport

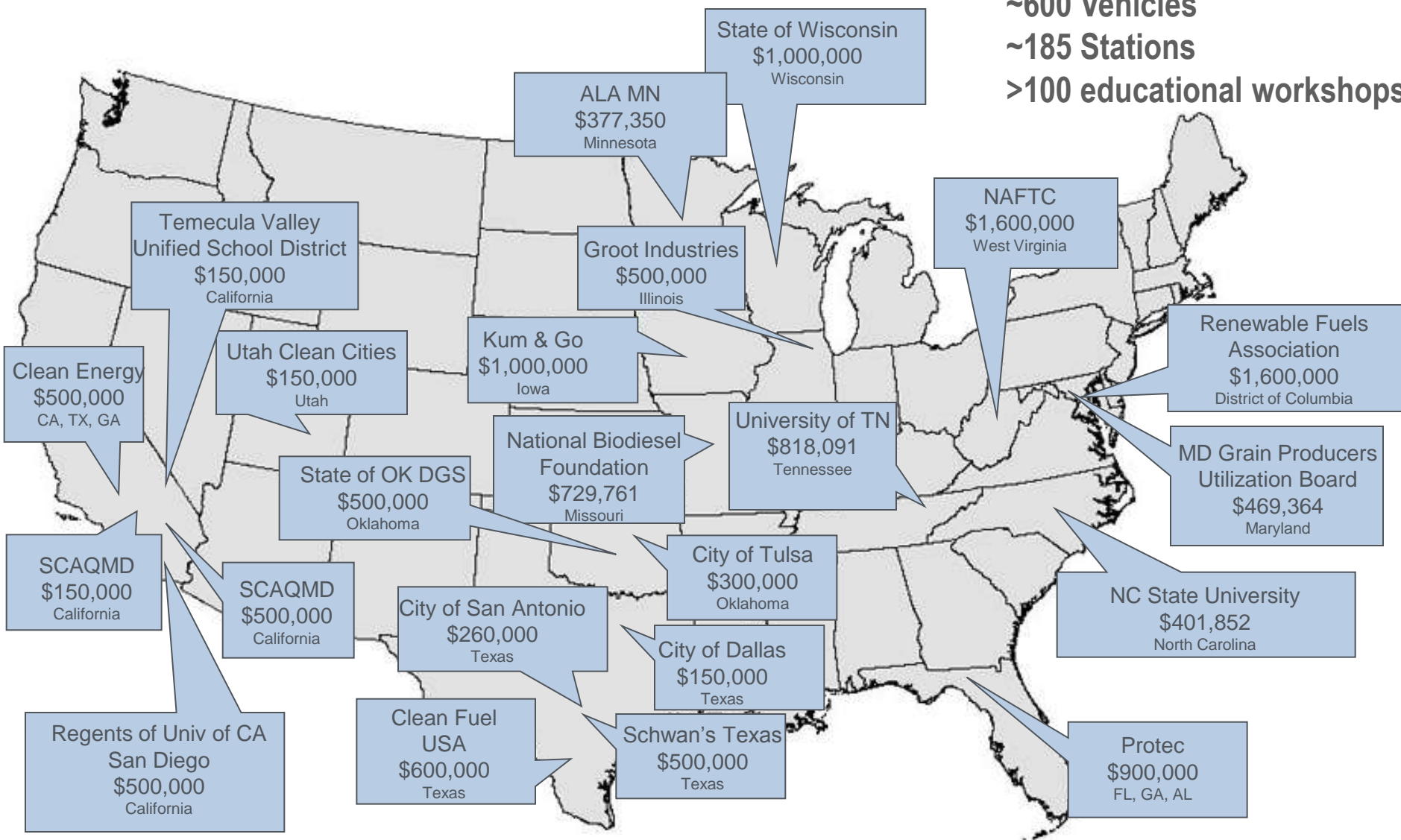


# Clean Cities FY 09 Awards

23 Projects ~\$13.6M DOE Funds



**~600 Vehicles**  
**~185 Stations**  
**>100 educational workshops**



# Becoming A Clean Cities Coalition

# Why Become a Clean Cities Coalition?



- 1) Access to a nationwide network of people trying to accomplish similar goals
- 2) Access to a myriad of resources and training to help your Coalition achieve and document your petroleum reduction goals
  - DOE National Laboratory Support (NREL, NETL, ORNL, INL, ANL, & others)
  - Technical Information and Resources recognized nationally and abroad as reliable sources of unbiased information
  - Technical Assistance Hotline
  - Clean Cities University Training
- 3) Eligibility to receive a modest annual coalition support contract (currently \$20K-80K per year based on level of effort) in exchange for program-specific data collection and outreach efforts (no guarantee of funding from year to year)



- Assistance from National and Regional DOE Staff and Contractors
- Clean Cities Website, Wiki, Hotline and Information Center
- Annual Leadership Retreat for Coordinators
- Regional Peer Exchanges and other networking opportunities
- Clean Cities publications and outreach materials
- Training opportunities for fundraising, grant writing, and market development
- Public recognition of local stakeholders as community champions
- Assistance with outreach activities

- Coalitions must be Designated by DOE
- Designation is a long process. Coalitions usually work for a year or more, holding planning meetings and gathering stakeholder support, before applying for designation
- Designation as an official Clean Cities Coalition signifies DOE's approval of the coalition's strategic Program Plan
- Designation signifies a beginning and a commitment; it is not the ultimate goal
- The coalition's efforts ***after designation***, implementing the strategies outlined in the Program Plan, are key to its success in reaching its petroleum displacement goals
- Clean Cities provides access to many funding opportunities, but Designation as a Clean Cities Coalition does not guarantee Federal funding  
(*Note: ALL Solicitations are Competitive!*)

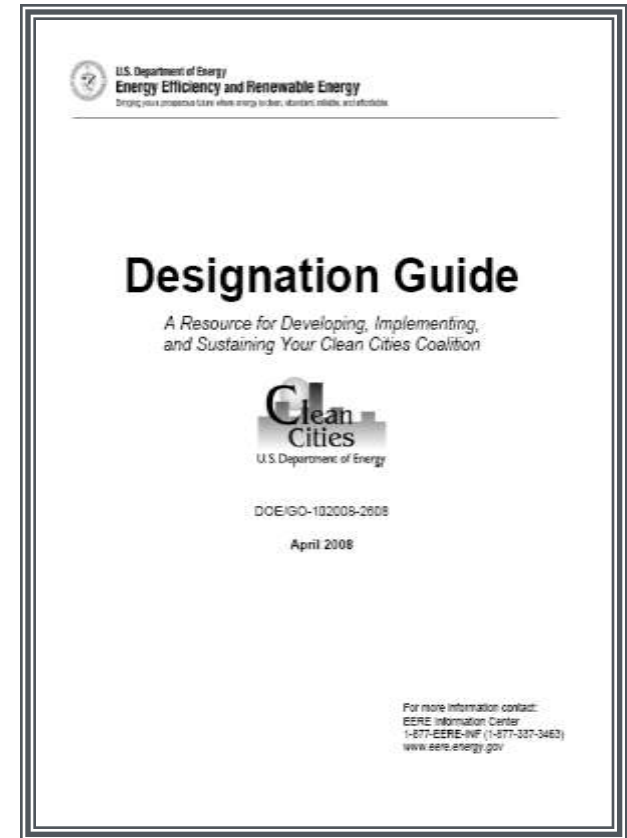
## The Designation Guide includes:

- An Overview of Clean Cities
- The 9 Steps to Designation
- Detailed Program Plan Development Instructions, Format and Checklist

*Currently being revised and updated*

The Designation Guide is available at:

<http://www1.eere.energy.gov/cleancities/pdfs/43181.pdf>



# 9 Steps to Coalition Designation



- 1) Form a Coalition and Hold Stakeholder Meetings
- 2) Appoint and Secure Funding for a Coordinator
- 3) Establish Stakeholder Commitments
- 4) Set Goals, Plan Action Steps and Monitor Progress
- 5) Establish and Document a Market Foundation
- 6) Develop a Strategic 3-Year Program Plan and **Apply for Designation**
- 7) Sign a Memorandum of Understanding (MOU) & Celebrate Designation
- 8) Implement the Strategic 3-Year Program Plan
- 9) Every 3 Years, Set New Goals and Renew the MOU

- Using the *Program Plan Review Checklist* as a guide, the Coordinator writes the Program Plan and submits the final draft to DOE
- DOE reviews the Plan and provides feedback
- Dialog between DOE and the Coalition continues until the Program Plan is considered satisfactory
- Once the written Plan is approved by DOE, a Designation Interview (webinar) is scheduled
- Coalition prepares webinar presentation highlighting key points of their Program Plan and is interviewed by a team of DOE-HQ, DOE Regional Representatives, Coordinator Council members and DOE contractors
- When approved, DOE-HQ notifies coordinator by letter
- Coalition members sign MOU and celebrate designation



## Coordinators

- The most effective coalitions are staffed with dedicated, full-time coordinators
- The coordinator serves as executive director of the coalition and should be a professional with access to community decision-makers
- The coordinator is the primary contact and works closely with DOE staff and the nationwide network of Clean Cities coordinators
- The coordinator and staff have primary responsibility for the coalition's ongoing operations and lead the stakeholders in outreach, project implementation and fundraising activities

## Stakeholders

- Successful coalitions gain stakeholder commitments to:
  - Assist with developing and executing the Program Plan
  - Attend coalition meetings and participate in coalition events
  - Purchase AFVs, hybrids, and idle reduction equipment
  - Invest in alternative refueling infrastructure
  - Use biodiesel and ethanol blends
  - Serve as members of coalition committees and boards
  - Ensure that action steps are completed, goals are met and new goals are set
  - Help with Coalition fundraising
- Specific stakeholder commitments are documented in the Program Plan.

## Typical Coalition Stakeholders

- Private Light-Duty and Heavy-Duty Fleets, e.g., taxis, delivery fleets, refuse haulers
- School Districts, Airports, Transit Agencies, Colleges and Universities, Parks and Recreation Departments
- Federal, State, County and Municipal Transportation, Environmental, Energy and Fleet Management Agencies
- Utilities, Vehicle Dealerships, Fuel Equipment Suppliers and Fuel Providers
- Vehicle and Engine Manufacturing Partners
- Alternative Fuel, AFV and Clean Air Advocacy Organizations
- Local Businesses

# **Clean Cities**

## **FY11 Funding Opportunity**

## 1. **Infrastructure for Alternative Fuels:**

- fund a percentage of the infrastructure cost associated with developing alternative fuel fueling capability.

## 2. **Incremental Cost of Alternative Fuel Vehicles**

- fund a percentage of the incremental cost associated with purchase of dedicated alternative fuel vehicles and/or advance technology vehicles.

## 3. **Category du jour**

- Electrification activities (which may be included in the above or separately)

1. NETL will have Project Management and Administrative oversight
2. Estimated Date to Issue Solicitation: Dec 2010- Jan 2011
3. Estimated Due Date For Proposals: Feb 2011- Mar 2011
4. Estimated Award Date: Summer 2011
5. Estimated Funding Available: \$24-30 million in DOE funds over 2 year funding period (i.e. \$12-15 million in FY 11 funds & \$12-15 million in FY 12 funds).

Note: All funding estimates are contingent upon final Federal budget appropriations for FY11 and future fiscal years.



# Important Web Sites and Resources



Clean Cities Web site

[www.eere.energy.gov/ccities](http://www.eere.energy.gov/ccities)

Alternative Fuels & Advanced Vehicles Data Center Web site

[www.eere.energy.gov/afdc](http://www.eere.energy.gov/afdc)

Clean Cities Coordinator Contact Information and Coalition Web sites

<http://www.afdc.energy.gov/cleancities/progs/coordinators.php>

DOE EERE Information Center & Technical Response Service

Web Site: [www.eere.energy.gov/afdc/informationcenter.html](http://www.eere.energy.gov/afdc/informationcenter.html)

Phone: 1-800-EERE-INF (1-877-337-3463)

Email: [technicalresponse@icfi.com](mailto:technicalresponse@icfi.com)

Hours: 9:00 a.m. – 6:00 p.m. EST